



CITY OF DURHAM | NORTH CAROLINA

Date: March 22, 2016

From: Donald F. Greeley, Director, Water Management
Department of Water Management
City of Durham
1600 Mist Lake Drive
Durham, NC 27704

Subject: Letter to Industry - Material Specification Revisions for:

1. Ductile Iron Pipe in Gravity Sanitary Sewer Applications
2. Sanitary Sewer Pipe Material Transitions
3. 5/8" and 1" Meter Boxes and Lids

Beginning May 1, 2016, the following material specifications shall be required:

1. Ductile iron pipe and fittings installed for the conveyance of gravity sanitary sewer shall be lined with an approved ceramic epoxy liner. This standard applies to gravity sanitary sewer proposed within a right-of-way (ROW) or utility easement that is currently or may reasonably become public. The ceramic epoxy liner shall be Protecto 401 or approved equal. Liners shall be applied per manufacturer's requirements and must meet all ASTM requirements. The ceramic epoxy liner cannot be field applied.
2. Where a manhole is not utilized for a material transition for a sanitary sewer pipe, a rigid ductile iron coupling shall be utilized. The coupling shall have deep socket push joint gasketed bells and a tapered flow way for a smooth transition between different pipe materials. The coupling must also be air test rated and be able to pass a mandrel for pipe inspection. Gasket grooves shall be machined and the gaskets shall be SBR rubber. The body of the coupling must meet ASTM A536 for ductile iron. The SBR rubber gaskets must meet ASTM F477.
3. Meter boxes are to be DFW Plastics Inc. model DFW37C-12 for 5/8" meters, DFW1324C-12 for 1" meters, or approved equal. Meter lids are to be DFW Plastics Inc. model DFW37C-12-1EA for 5/8" meters, DFW1324C-12-1EA for 1" meters, or approved equal.

These material specification revisions will apply to all projects that have not received a water and/or sewer permit from the City of Durham as of May 1, 2016.

These material specifications are to remain in effect until revised by a further Letter to Industry or published City of Durham Material Specification. If you have any questions or concerns please contact Brian Sessoms of Water Management at 919-560-4381 x 35252 or at brian.sessoms@durhamnc.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Donald F. Greeley". The signature is fluid and cursive, with a long horizontal stroke at the end.

Donald F. Greeley, Director, Water Management
Department of Water Management